

**Table A-3. Sample size, by frame partition: 2008–23**

(Number of companies)

Year	Total	Known positive R&D	Known zero R&D	Unknown R&D
2008	39,553	11,103	3,156	25,294
2009	43,002	14,343	3,443	25,216
2010	42,965	14,399	3,150	25,416
2011	43,108	14,941	3,385	24,782
2012	43,655	16,188	3,527	23,940
2013	45,089	17,690	3,531	23,868
2014	44,162	16,959	3,861	23,342
2015	44,824	17,602	3,484	23,738
2016	44,861	18,184	1,058	25,619
2017	44,978	17,737	2,112	25,129
2018	45,690	20,115	2,265	23,310
2019	45,500	20,000	2,300	23,500
2020	47,500	20,500	2,200	24,500
2021	47,500	21,000	na	26,500
2022	45,500	21,000	na	24,500
2023	46,000	21,000	na	25,000

na = not applicable.

**Note(s):**

Beginning in survey year 2021, companies in the known zero R&D group were combined with the unknown R&D group. See the technical notes section at <https://nces.nsf.gov/surveys/business-enterprise-research-development/2023#methodology>. Beginning in survey year 2019, counts reflect a change in rounding methodology. Detail may not add to total because of rounding. Companies were said to be known to conduct R&D (*known positive R&D*) if they reported positive R&D in any of the previous 5 survey years. For survey years 2008–15, companies were said to have *known zero R&D* if they reported zero R&D in at least 1 of the previous 5 survey years and no positive R&D in any of the 5 years. Beginning in survey year 2016, companies were said to have known zero R&D if they reported zero R&D in at least 1 of the previous 3 survey years and no positive R&D in any of the previous 5 survey years. Companies were said to have *unknown R&D* if no R&D information was available.

**Source(s):**

National Center for Science and Engineering Statistics and Census Bureau, Business Enterprise Research and Development Survey, 2023.